

An integrated processing box performs processing commonly to a plurality of input devices, a plurality of output devices, or a plurality of storage devices. For example, the integrated processing box performs noise reduction processing on data received from an input device or a storage device or data supplied to an output device or the storage device. The integrated processing box also performs processing, for example, temporal/spatial processing or grayscale processing, variably to each type of input device, each type of output device, or each type of storage device. Accordingly, if the input device is, for example, a video camera, the video camera is formed only by a CCD, a sample-and-hold circuit for sampling and holding the output from the CCD, an AGC circuit for adjusting the gain of the output from the sample-and-hold circuit, and an A/D conversion circuit for converting the analog output of the AGC circuit into a digital output. That is, it is possible to form the video camera without blocks performing defect correction for the pixels of the CCD,  $\gamma$  correction, color matrix conversion.